



Cal/EPA

California
Environmental
Protection
Agency



Air Resources Board

P.O. Box 2815
2020 L Street
Sacramento, CA
95812-2815
<http://www.arb.ca.gov>



Pete Wilson
Governor

Peter M. Rooney
Secretary for
Environmental
Protection

January 22, 1998

Don L. Leininger, P.E.
Technical Liaison Manager
OPW Fueling Components
P.O. Box 405003
Cincinnati, OH 45240

Dear Mr. Leininger:

#98-01

OPW Model 523V Pressure/Vacuum Vent Valve

On May 6, 1997, you requested California Air Resources Board (CARB) certification of the OPW model 523V pressure/vacuum(p/v) vent valve. The main body of the valve is made of molded plastic (Duratuff) and incorporates a molded plastic cap assembly. The cap assembly includes a fine mesh screen to prevent the entry of foreign objects.

Vent base adapters are made of either zinc/aluminum castings or molded plastic. Valves are affixed to the vent pipe of the storage tank by either internal thread or a "slip" design that is slipped over the vent pipe and secured by either set screws or clamps. Sealing between the adapter and the vent pipe is provided by a o-ring seal or gasket.

Pressure and vacuum release is controlled by two (2) stainless steel springs or dead weight (1 oz and 3" WCG models). Depending on the model number, pressure relief settings are at three (3) inches water (WCG), one (1) ounce per square inch, eight (8) ounces per square inch, or twelve (12) ounces per square inch. The 523V pressure/vacuum(p/v) vent valve is designed for installation on either 2" or 3" NPT threaded or non-threaded 2" or 3" vent pipes.

The OPW model 523V pressure/vacuum(p/v) vent valve shall be installed in conformity with the manufacturer's instructions and all applicable codes. The manufacturer's name, model number, operating pressures, and maximum rated flow rate shall be incorporated as part of the adhesive backed UL Listing Mark. The Listing Mark shall be a UL approved adhesive label. The lot number will be stamped into the plastic body at assembly.

As required by the Certification Procedures for Gasoline Vapor Recovery Systems at Service Stations, the approvals of the three State agencies is a

precondition to certification by the Air Resources Board. The appropriate letters of approval have been received and are listed as follows:

-Department of Food and Agriculture,
Division of Measurement Standards
August 30, 1995.

-Department of Occupational Safety and Health
November 26, 1997

-Department of Forestry and Fire Protection
Office of the State Fire Marshal
Certification # GVRC 005:008:058, issued December 9, 1997

I find that the use of the OPW model 523V pressure/vacuum(p/v) vent valve, when installed in accordance with the manufacturer's instructions and the conditions listed above, will not adversely affect the performance of vapor recovery systems on which it is installed. Therefore, the OPW model 523V pressure/vacuum(p/v) vent valve is certified for use with Phase I and Phase II gasoline vapor recovery systems provided that it meets the specifications contained in the Executive Orders.

If you have any questions or wish to discuss this matter further, please call Paul Thalken at (916) 445-0383 or Laura McKinney at (916) 327-1525.

Sincerely,

INTERNET VERSION

James J. Morgester, Chief
Compliance Division

cc:

Mr. Jim Johnston, Chairman,
CAPCOA Vapor Recovery Committee
Monterey Bay Unified APCD
24580 Silver Cloud Ct.
Monterey, CA 93940

Mr. Gary Hunter, Manager,
CARB Compliance Assistance Section